

# CONTROL VALVES

## POWERMITE 599 MT SERIES ELECTRONIC VALVE ACTUATORS SFA/SFP AND SSA/SSP SERIES



### DESCRIPTION

The **Siemens Powermite MT Series SFA/SFP and SSA/SSP Series** of electronic valve actuators accepts 24 or 120 VAC power supply signal to provide two-position control. This actuator works with Zone Valves with 1/10-inch (2.5mm) stroke.

### FEATURES

- **UL Listed for plenum installations**
- **Direct coupled installation without tools**
- **Manual override with auto unlock**
- **Visual position indication**

SIEMENS



SSA61U



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CONTROL VALVES

| SPECIFICATIONS                             |                                                                    |  |                                                                       |
|--------------------------------------------|--------------------------------------------------------------------|--|-----------------------------------------------------------------------|
| <b>Supply Voltage</b>                      | 24 VAC $\pm 20\%$ , 120 VAC $\pm 20\%$ , 50/60 Hz                  |  | <b>Operating Humidity</b>                                             |
|                                            |                                                                    |  | 0 to 90% RH non-condensing                                            |
| <b>Supply VA</b>                           |                                                                    |  | <b>Enclosure Rating</b>                                               |
|                                            |                                                                    |  | NEMA 1 (indoor only)                                                  |
| <b>Two-position actuators</b>              | 9.8 VA                                                             |  | <b>Dimensions</b>                                                     |
|                                            |                                                                    |  | <b>SFA/P</b>                                                          |
| <b>Three-position (floating) actuators</b> | 0.8 VA                                                             |  | 3.3"W x 3.4"H x 2.3"D (11.2 x 8.5 x 5.8 cm)                           |
|                                            |                                                                    |  | <b>SSA/P</b>                                                          |
| <b>Proportional (0-10 VDC) actuators</b>   | 2.5 VA                                                             |  | 3.3"W x 3.3"H x 1.9"D (8.3 x 8.3 x 4.8 cm)                            |
|                                            |                                                                    |  |                                                                       |
| <b>Signal Input</b>                        | Two-position, three-position (floating), and 0-10 VDC proportional |  | <b>Weight</b>                                                         |
|                                            |                                                                    |  | <b>Two-position actuators</b>                                         |
| <b>Stroke Time</b>                         |                                                                    |  | 1.2 lb (0.54 Kg)                                                      |
|                                            |                                                                    |  | <b>Three-position (floating) actuators</b>                            |
| <b>Two-position actuators</b>              | 35 seconds                                                         |  | 0.5 lb (0.25 Kg)                                                      |
|                                            |                                                                    |  | <b>Proportional (0-10 VDC) actuators</b>                              |
| <b>Three-position (floating) actuators</b> | 150 seconds                                                        |  | 0.5 lb (0.25 Kg)                                                      |
|                                            |                                                                    |  |                                                                       |
| <b>Proportional (0-10 VDC) actuators</b>   | 34 seconds                                                         |  | <b>Approvals</b>                                                      |
|                                            |                                                                    |  | CE, EMC directive 89/336/EEC, 73/23/EEC low voltage; UL File #E220114 |
| <b>Operating Temperature</b>               | 41° to 122 (5° to 50 )                                             |  | <b>Warranty</b>                                                       |
|                                            |                                                                    |  | 2 year                                                                |



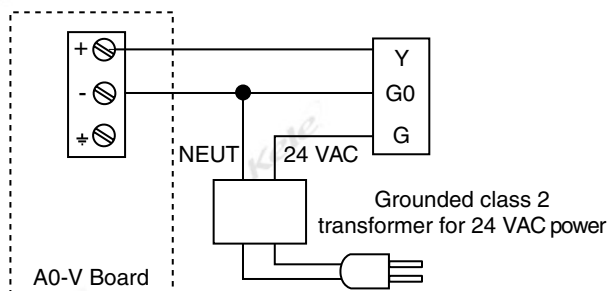
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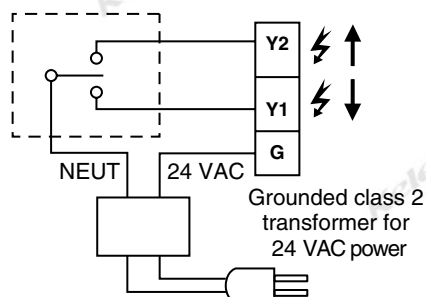
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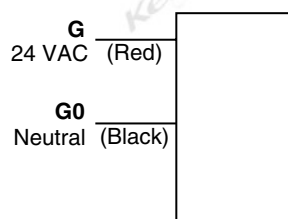
### WIRING



**SSA/P61U**



**SSA81U**



**WARNING:**  
Wire connection G is **HOT**,  
not ground.

**SFA/P**

### ORDERING INFORMATION

| MODEL         | DESCRIPTION                                        |
|---------------|----------------------------------------------------|
| <b>SFA11U</b> | N.C., 2-Position, 120 VAC Zone Valve Actuator      |
| <b>SFP11U</b> | N.O., 2-Position, 120 VAC Zone Valve Actuator      |
| <b>SFA71U</b> | N.C., 2-Position, 24 VAC Zone Valve Actuator       |
| <b>SFP71U</b> | N.O., 2-Position, 24 VAC Zone Valve Actuator       |
| <b>SSA81U</b> | N.S.R., Floating, N.C., 24 VAC Zone Valve Actuator |
| <b>SSA61U</b> | N.S.R., 0-10 VDC, N.C., 24 VAC Zone Valve Actuator |
| <b>SSP61U</b> | N.S.R., 0-10 VDC, N.O., 24 VAC Zone Valve Actuator |

### RELATED PRODUCTS

|              |                                                                              |
|--------------|------------------------------------------------------------------------------|
| <b>SSTAG</b> | Stainless steel tag on bead chain, 1" x 2" dogtag, custom engraved per order |
|--------------|------------------------------------------------------------------------------|